

Applicant:

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**Method and apparatus for producing homogenized image  
data for scanning imagers**

**Abstract**

The invention relates to the production of image data, wherein a scene is scanned with a detector (1) which has a large number of sensor elements for producing image signals. An overall value is formed (unit 12) for each of the sensor elements, which represents a totality of image signals obtained from that sensor element, so that an overall value profile is obtained at least over a part of the scanned scene. The overall values for adjacent sensor elements are used to determine whether differences between these overall values satisfy a predetermined magnitude criterion which indicates inhomogeneities in signal sensitivities of these sensor elements (unit 14). If the magnitude criterion is satisfied, the image signals are corrected (unit 15) such that the magnitude criterion is no longer satisfied. The image data is produced from the corrected image signals or from the image signals which do not satisfy the magnitude criterion and is displayed on a screen (4).

(Figure 3)